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230475

13 November 2001

Mr. Ron Murawski, SR-6J
Work Assignment Manager
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604

U.S. EPA Contract No.: 68-W7-0026
Work Assignment No.: 103-RXBF-052F
Document Control No.: RFW103-2A-AKCN

Re: Submittal of Oversight Report, H.O.D. Landfill, Antioch, Illinois.

Dear Mr. Murawski:

Roy F. Weston, Inc. (WESTON®) is pleased to submit the oversight report for the oversight provided after 30 April 2001 at the H.O.D Landfill, Antioch, Illinois.

Should you have any questions or require additional information, please feel free to contact me at (847) 918-4051.

Very truly yours,

ROY F. WESTON, INC.

Omprakash S. Patel.
Site Manager

OSP:ld

IWO\RAC\103\30948\LTR.WPD

RFW103-2A-AKCN

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**REMEDIAL ACTION OVERSIGHT
H.O.D. LANDFILL
ANTIOCH, ILLINOIS**

NOVEMBER 2001

Prepared for

**U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604**

This document was prepared in accordance with U.S. EPA Contract No. 68-W7-0026, WESTON Region V Response Action Contract (RAC) and contains confidential business information.

Document Control No. RFW103-2A-AKCN

**Remedial Construction Oversight
H. O. D. Landfill,
Antioch, Illinois**

The Remedial Construction Managers for the construction at the H.O.D. landfill is RMT, Inc., (RMT) of Madison, Wisconsin. RMT is contracted to Waste Management, Inc. The subcontractors performing work at the site are Terra Environmental Construction, Carey-Gelden Electric, Boudry Control Panels, LFG&E, and Prizm Environmental Equipment (Prizm). The subcontractors are contracted to RMT. Joseph Corns of Environmental Design International (EDI), Inc., provided the oversight at the H.O.D. Landfill. EDI is a team subcontractor on the RAC to Roy F. Weston, Inc. (WESTON®). This report summarizes activities conducted after 30 April 2001. The copies of the photographs and field logs are provided as attachments.

4 May 2001

Representatives of RMT and A. W. Oakes (Oakes) were present on-site to perform work. Joe Corns of EDI was present to perform construction oversight.

Mr. Corns reviewed RMT's daily construction reports for 27 April 2001 through 3 May 2001. The construction reports indicated that Oakes graded roadway locations, placed geotextile fabric, and placed and compacted gravel on the roadways. RMT excavated around existing wells (nonremediation system wells) that need to be cut down in height to final grade. RMT also glued identification tags to the tops of the remediation system well vaults. Concrete epoxy grout was injected into cracks in the flare pad.

Oakes continued working on landfill roadways by grading, installing geotextile fabric, and placing gravel over the fabric.

Mr. Corns reviewed the leachate truck log and found that two loads were removed on 26 April 2001; three loads were removed on 27 April 2001; two loads were removed on 28 April 2001; four loads were removed on 30 April 2001; one load was removed on 1 May 2001; one load was removed on 2 May 2001; two loads were removed on 3 May 2001; and one load was removed on 4 May 2001.

At 9:10 A.M., the tank gage indicated that the leachate level was 2.6 feet, corresponding to 5468 gallons. At 1:35 P.M., the leachate level was at 3.4 feet, corresponding to 7937.54 gallons. The flow rate of leachate into the tank was calculated to be 9.32 gallons/minute, or 13,420 gallons/day.

9 May 2001

Representatives of RMT and Oakes were present on-site to perform work. Joe Corns of EDI was present to perform construction oversight.

Mr. Corns reviewed RMT's daily construction reports for 4 May 2001 through 7 May 2001. The construction reports indicated that Oakes placed topsoil along the north road and cut and filled the center crossroad. No work was conducted on 7 May 2001 and 8 May 2001 due to rain and muddy conditions.

Oakes worked on landfill roadways by grading, installing geotextile fabric, and placing gravel over the fabric. Oakes also scraped and graded soil cover on the east section of the landfill.

Mr. Corns reviewed the leachate truck log and found that one load was removed on 3 May 2001; one load was removed on 4 May 2001; one load was removed on 5 May 2001; three loads were removed on 7 May 2001; and one load was removed on 8 May 2001.

RMT personnel balanced the landfill gas flow rate at selected wells in order to optimize the methane concentration near 50%.

Also on this day, buildings on the property north of the borrow area were being demolished.

EDI had previously identified that the leachate outflow flow meter was erroneously giving readings when no leachate was being pumped from the tank to trucks. Kirk Sohlberg of RMT informed Mr. Corns that a solenoid switch will be fitted to the flow meter circuit to cut its power when leachate is not being pumped.

A fence contractor was present to repair damage to the silt fence that surrounds the landfill.

At 10:55 A.M., a leachate tanker truck arrived at the site. The leachate level in the tank was 5.8 feet corresponding to 16,063 gallons. The flow meter reading was 521,967 gallons. At 11:26 A.M., the truck driver stopped pumping leachate into the tanker truck. The final flow meter reading was 528,012 gallons, a difference of 6,045 gallons. The level gage for the landfill tank indicated a leachate level of 3.3 feet, or 7,618 gallons, for a difference of 8,445 gallons. Mr. Corns discussed this discrepancy with RMT personnel and found that the pressure transducer for the leachate level gage may not be sitting on the bottom of the tank and may not be appropriately calibrated.

16 May 2001

Representatives of RMT, Prizm, and Oakes were present on site to perform work. Joe Corns of EDI was present to perform construction oversight.

Prizm personnel performed repairs on malfunctioning leachate pumps at the wellheads. Prizm replaced a clamp at GW-25; discovered a defective air line quick connect at GWF-5 and made arrangements to return with a new quick connect; repaired a leaking fitting at MHE; repaired a loose fitting at GW-16; repaired a fitting at GW-23; repaired a clamp at CS-4; found the tubing too long at GW-29 and cut the tubing to raise the pump out of mud; and found the pump set too

high in GW-22. Prizm stated that they will bring additional tubing for GW-22 when they return to the site.

Mr. Corns reviewed RMT's available daily construction reports for 8 May 2001 through 10 May 2001. The construction reports indicated that no work was conducted on 8 May 2001. On 9 May 2001, Oakes put down gravel and graded on the north road; Diemer Plumbing and Excavating loaded debris from the demolition site; and Midland Fence repaired silt fencing. On 10 May 2001, Oakes worked on the north road; Diemer loaded debris from the demolition site; and Kohr's and Sons abandoned a septic tank at the property north of the borrow area (the demolition site).

Oakes worked to place final cover and grade over the waste relocation area. Oakes also graded sections of the borrow area on landfill roadways by grading, installing geotextile fabric, and placing gravel over the fabric. Oakes also scraped and graded soil cover on the east section of the landfill.

Mr. Corns reviewed the leachate truck log and found that one load was removed on 9 May 2001; two loads were removed on 10 May 2001; one load was removed on 11 May 2001; one load was removed on 12 May 2001; two loads were removed on 14 May 2001; and one load was removed on 15 May 2001.

At 9:40 A.M., the leachate tank gage indicated a leachate level of 6.6 feet. This corresponds to a volume of 18,800 gallons. At 2:40 P.M., the leachate level was at 8.3 feet, corresponding to a volume of 24,239 gallons. The difference of 5,439 gallons in 5 hours indicated a leachate flow rate into the tank of 26,107 gallons/day.

17 May 2001

Representatives of RMT and Oakes were present on site to perform work. Joe Corns of EDI was present to perform construction oversight.

Mr. Corns reviewed the tanker truck logs and found that two loads of leachate were removed late in the day on 16 May 2001; and one load was removed early in the day on 17 May 2001.

Oakes continued final grading in the waste relocation area and began placing topsoil over the borrow area.

31 May 2001

The Prefinal Inspection was conducted at H. O. D. Landfill. Present were Ron Murawski and Mike Joyce of U.S. EPA, Greg Ratliff of the Illinois EPA, Omprakash Patel of WESTON, Joe Corns of EDI, Ara Molitor of Clark Dietz, Inc., Larry Buechel and Jack Dowden of Waste Management, Inc., and Mark Torresani, Joel Schittone, and Kirk Solberg of RMT. RMT distributed meeting minutes to all attendees subsequent to the meeting.

Topics covered at the meeting included the purpose of the inspection, the construction completion checklist, the Prefinal Inspection Report, and the Remedial Action Completion Report.

Following the meeting, a walkthrough of the site was conducted. Incomplete items identified included the perimeter fence, the flare area fence, repairs to the silt fence, cutting and capping of unused gas vents, the final cover survey, seeding of the landfill cover, filling and grading of the slope, a possible leachate seep on the south central side of the landfill, continued run-on of the leachate flow-meter, and system telemetry for Waste Management.

RMT responded that most items on the checklist will be completed by 15 June 2001.

17 July 2001

The final inspection was conducted at H. O. D. Landfill. Present were Ron Murawski of U.S. EPA and Omprakash Patel and Steve Ryan of WESTON, Larry Buechel of Waste Management, Inc., and representatives of RMT. The punch list items identified during the prefinal inspection were reviewed during the meeting.

Following the meeting, a walkthrough of the site was conducted. Incomplete items identified during the prefinal inspection were reviewed. Except for seeding of some area and fencing on the north side, the construction was completed.

PHOTO-DOCUMENTATION



9 April 2001 — View of Leachate Load Out Station Looking North



9 April 2001 — View of Flare and Blower Building Looking East



9 April 2001 — View From Blower Building Looking Northwest



19 April 2001 — Flare and Blower Building Looking Southeast

***Date wrong on photo**



10 April 2001 — Oakes Equipment Moving Soil Stockpile



10 April 2001 — Distant View of Flare, Building, and Southwest Section of Landfill



13 April 2001 — Oaks Constructing Berm East of Flare

***Date wrong on photo**



13 April 2001 — RMT Taking Readings at Well Head (Typical)

***Date wrong on photo**



13 April 2001 — Flare and Blower Building Looking South

***Date wrong on photo**



13 April 2001 — Oakes Constructing Beam East of Flare

***Date wrong on photo**



13 April 2001 — RMT Taking Readings at Well Head (Typical)

***Date wrong on photo**



13 April 2001 — Leachate Tanker at Loadout Pad

***Date wrong on photo**



13 April 2001 — Clay Berm Southeast of Flare

***Date wrong on photo**



13 April 2001 — Leadate Tanker on Landout Pad

***Date wrong on photo**



19 April 2001 — Flare and Blower Building Looking South

***Date wrong on photo**



19 April 2001 — Construction of Clay Berm Near Blower BUilding

***Date wrong on photo**



25 April 2001 — Oakes Equipment Moving Stockpiled Soil



25 April 2001 — Oakes Equipment Placing Stockpiled Soil on West End of Landfill



25 April 2001 — Tanker Truck Removing Leachate from UST



25 April 2001 — Berm Being Constructed East of UST



25 April 2001 — Waste Relocation Area Looking Northeast, Prior to Placement of Topsoil



25 April 2001 — Silt Fence at Northwest Corner of Landfill



9 May 2001 — Oakes Completing Final Grading on Landfill Cover



9 May 2001 — RMT Employee Adjusting Gas Flow at Well



9 May 2001 — View of South End of Landfill Looking East



9 May 2001 — View of South Roadway Looking West



9 May 2001 — Oakes Grading Landfill Topsoil Adjacent to Roadway



9 May 2001 — Uncompleted Section of Roadway on East Side of Landfill



9 May 2001 — Geotextile Fabric Placed on Roadway on North side of Landfill



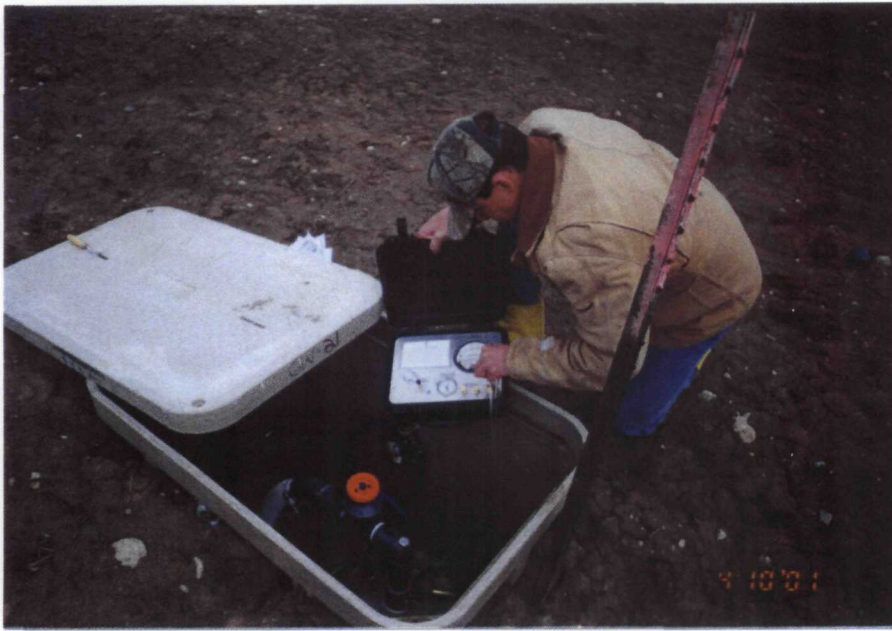
9 May 2001 — Completed Section of Roadway on North Side of Landfill



9 May 2001 — Roadway on North Side of Landfill Prior to Gravel Placement



4 May 2001 — View of Landfill Looking Southeast



10 April 2001 — RMT Employee Measuring Methane Concentration at Well Head (Typical)



10 April 2001 — Leachate Tanker Taking Leachate from Leachate Load Out Station



4 May 2001 — Unfinished Section of Roadway on North Side of Landfill



4 May 2001 — View of Borrow Area Looking North



4 May 2001 — Completed Section of Roadway on South Side of Landfill Looking East



4 May 2001 — Protective Berm West of Flare



4 May 2001 — Bulldozer Grading Roadway



4 May 2001 — Completed Section of Roadway at Southeast Section of Landfill

COPIES FROM FIELD LOG BOOK

4/25/2001

1420 reported leadate
flow rate to Oun

1430 Joe Corns leaving site

~~roadway has geotextile fabric
and stone from entrance,
new road to tank then
to along south side of
landfill to northeast corner~~

~~Oakes now working on
center cross road - grading
etc.~~

5/4/2001

0910

Joe Corns arrived site
at blower building

2'7" = leadate level at 2.6' (2'7.2")
31" 5418.78 32" 3665.50 5468.124

Oakes is working on
roadways

1 leadate tanker was
here 1 load taken out

Review of daily reports

4/25/01

AW Oakes worked on east berm
at flare

4/26/01

AW Oakes worked on roadway

5/4/2001

Daily Reports

4/27/01

AW Oakes placed geotextile fabric and gravel on roadway east of cross road

RMT witnessed well abandonment at 2290 S Dyer Road

4/28/2001

AW Oakes worked on roadway

RMT excavated around wells that need to be cut down to final grade

5/4/2001

Daily Reports

4/30/01

AW Oakes worked on roadways

Jim Parris glued 3.1 tags on vaults

replumbed pilot light LP gas line

5/1/2001

AW Oakes worked on roadways

5/2/2001

AW Oakes worked on Roadways

Capable concrete injected epoxy sealant into crack in flare pad

5/4/2001

5/3/2001

Alw Eakes worked on roadway

Capable concrete injected epoxy
into cracks in flare pad

0940

Kirk asked that Joe Corns
get permission from
Larry Buechell to review
leachate log and
manifests

According to Kirk, areas remaining
that need to be topsoiled
are borrow area, southwest
section (wast relocation area)
and access road to
borrow area

1000

Joe Corns touring site

5/4/2001

Roadway has geotextile fabric
and gravel from entrance
along south and east
road to northeast corner
also roadway pop to
leachate loadout completed

Eakes now working on
center cross road

1100

Joe Corns travelling around
site and inspecting roadway

Ralph from Prism is supposed
to be here - has not
arrived at the site yet

1040

leachate level at 2.8'
(2' 9.6")
33" 5914.81 6065.89
34" 6166.61

5/4/2001

<u>1050</u>	Leachak	log
	<u>split</u>	<u>finish</u>
4/26	365839 372605	371849 378617
4/27	380820 387667 394460	386835 393676 400472
4/28	401583 408347	407592 414421
4/30	417326 424024 430694 437554	423334 430034 436714 443572
5-1	445098	451104
5-2	452722	458729
5-3	461258	467340
5-4		
5-3	468140	474160
5-4	476311	482378

5/4/2001

1110 Oakes is placing soil on center cross road to build up the road

1140 Meeting with Kirk at power building - Pizim Eng. was to come to site today - Kirk has not heard from Ralph at Pizim and he has not returned to HOD

1145 Joe Carns goes to lunch
Oakes placing soil to fill on center cross road

1220 Joe Carns returns to site

1230 Leachak level at 5.2 7301.87
3' 2.4" 32" = 7196.75
7301.87 - 7196.75 = 105.12

5/4/2001

1230 leadline level 3.2'
7301.87 gallons

3 hours 20 minutes

200 minutes

7301.87
5468.12

1833.75 / 200 = 9.17 gpm

13,204.8 gal/day

1240

speaking with Kirk at
tailer - not heard from
Prizm Env. - will try to
re schedule pump repair
for next Wednesday

5/4/2001

1300

Dakar returns from
lunch - grading center
cross road

1335

leadline level

3.4'

3' 4.8"

40.8"

39" 7459.55
40" 7724.28
41" 7990.85

7937.54

4 hours 25 min

325 min 265

7937.54
5468.12

2469.42 / 265 = 9.32
325 = 7.6 gpm

13420.8 gal/day

10944/day

1350 Joe Corns looks site

5/9/2001

0915 Joe Corns arrives
site

AW Oakes is building
road around land R11

0920 flare 1 302 c/s
1482°F

Leachate level 5.5'

15027.55 gallons

0930 Joe Corns at RMT trailer

Daily Reports

5/4/2001 Oakes placed topsoil
on both sides of road
on north side of site
and cut & fill on
cross road

5/9/2001

Daily Reports

5/5/2001

AW Oakes placed topsoil
along both sides of north
road and along each
side of cross road

5/7/2001

No work due to rain
Scott Craig worked on telemetry issues

5/8/2001

No work due to muddy conditions

5/9/2001
0940 at leachate load out
 leachate log

5/3	468140	474160
5/4	476311	482378
5/5	484550	490640
5/7	492844	498867
	499735	505758
	506637	512664
5/8	514230	520270

0950 Road complete on south
 & east sides of landfill
 also west side

1000 Road is being constructed
 by cutting & filling soil
 base, laying down
 geotextile fabric, then
 placing C&G stone over
 fabric and grading

Joe Corns at north
 side of landfill

5/9/2001

1020 Scott Craig is adjusting
 methane flow valves at
 well heads

Eakes is now scraping and
 grading landfill cover at
 east section of landfill
 Buildings on northeast
 adjacent property are
 being demolished

1045 Kirk Sohlberg informs Joe Corns
 that flow meter will be
 wired with solenoid to cut
 power to flow meter when
 pump is shut off

Kirk states that flow meter
 run on error is a
 mechanical/electrical problem

5/7/2001

1050 Feeding crew is on-site to repair silt fence, which has collapsed in a number of areas.

Crew is setting the silt fence back upright

1055 leachate truck arrives site
Joe Corrs at pump out and
leachate level at 5.8'
5'9.6"

69" 15891.23 69.6"
70" 16178.73 16063.73

at 9:20 15027.55

95 minutes

16063.73
15027.55
1036.18 / 95

10:01 9:00 PM

~~11:55 9:00 PM~~

~~16578/day~~

15710/day

5/9/2001

leachate pump out

start meter reading 521967

finish reading 522012

leachate tank level 3.3'

39" 7459.55 3'3.6"
40" 7724.29 39.6"

7618.39 gallons

at 1055 16063.73
7618.39
8445.34

actual pumped = 6045

1140 - 1200

Joe Corrs eats lunch

5/9/2001

1205 See Corns on north side
of landfill

Oakes is putting down
geotextile fabric and
placing gravel over fabric

1205-1235 Oakes broke for
lunch - no activity

1235 Oakes working on
east end of north
landfill road

geotextile fabric unrolled
on road then gravel
dumped by dump truck
and graded

after grading - Oakes runs
rolling compactor over
gravel

5/9/2001

1245 See Corns at blower
building

flare operating at 1479°F
297 cfs

leachate level in tank: 3.6'

43" 8529.17

44" 8800.76

1300 At east side of landfill

Oakes is putting down
geotextile fabric at
northeast corner of landfill

Oakes also grading cover
of landfill over waste
reconsolidation area

5/9/2001

1310

conversation with Don Pak
concerning leachate levels
and pump out - Joe
will send Don e-mail
concerning discrepancy
between tank levels
and pump out shown
on flow meter

1315

Discussing road building
with Coker and Runt
at northeast corner
of landfill, white
gravel is delivered
and Coker puts down
geotextile fabric

1410

1425

leachate level at 4.0'

9901.46 gallons

at 1125 was 7618.39

5/9/2001

9901.46

7618.39

2283.07

3 hours
180 minutes

12.68 gpm

18,264.56

flare operating

1522°F
295 cfs

1435

Joe Corns leaves site

5/16/2001

0930

Joe Corra arrives site
Rolph from Prim not
yet on-site

0935

Rolph from Prim arrives
to repair pumps

0940

tank level at 6.6"

79" 18744.06

80" 19025.37

0940

Rolph at GW-29

GW-29 has 100"
water - not pumping

Rolph will come back
to it & remove well head

0945

now at GW-25
bad crimp on
discharge line

5/16/2001

Rolph places clamp under
crimp on leachate
discharge line

- still leaking - Rolph tightens
clamp - ok

1000

conversation with Kirk
- Dakes placing topsoil
on waste Relocation area

1005 at GW-20

Rolph lowers input air pressure -
air pump was locking up

pump then runs ok

1010 moved to pump # GW-22

pump wasn't pumping at all

5/16/2001

at GW-22
well 33' deep
leachate at 14'

pump not pumping -
will have to be pulled

1025 at GWF 5

bad air fitting -
leaks air

Quick connect fitting no good
Rolph will sound a new
one to LUT

1040

AT MHE

was leaking at barb fitting

Rolph cut line & reinstalled
fitting

5/16/2001

1048

stone road was
completed around
land fill

1055

repairing base fitting
at GW-16

1100

clamp repaired at
GW 16 leachate
discharge line no longer
leaking

1115

Rolph repairs fitting at
GW-23

1120

Rolph repairs clamp at
CS-4

5/16/2001

1120 Joe reviewing daily reports

5/8/01 No work - muddy

5/9/01 Oakes put down
gravel and graded
road on north side

Diemer Plumbing & excavating
loaded debris from
2 Depot Road

Midland fence repaired
silt fence

5/10/01 Oakes placing gravel
and compacting along
north road

Diemer loading debris from
2 Depot Road demolition

Kohr's & son abandoned septic
tank at 22903 Depot Road

5/16/2001

1130 Leachot well at 7.2

86" 20689.61

87" 20962.34

1135

Rolph & Scott Craig
removing well head cover
and pump at GW-29

Oakes doing final grading
and placing topsoil at
waste relocation area
final grading also
near center of landfill

1147

Rolph already removed pump
at GW-29 found set too
shallow

5/16/2001

1145

Pump at GW-29 removed by pulling well head - pump was stuck in mud at bottom of well

Rolph will shorten hoses and raise pump at GW-29

1200

Rolph places pump down hole in GW-29 - it now pumps

Scott Craig now replacing bolts that hold down man hole

1215

no extra tubing in header

Rolph will need to come back with tubing

5/16/2001

1245

on site meeting

Kirk, Scott, Rolph, Joe

1230

GW-22 needs more tubing to set pump below graduate level Rolph will return with tubing Friday or Wednesday of next week. leaves site

Rolph

Leachate

log book at pump out

5/4

521967 528012

5/10

529561 535590

536640 542659

5/11

544246 550905

5/12

55231 558476

5/14

561937 568139

569097 575184

5/15

576832 582958

1230

Leachate level 7.5
90" 21771.02

5/16/2001

1230

flare/blower

294 cfs

1537 °F

Joe goes to lunch

1250

Joe Corra returns
from lunch

1300

Dakes grading in borrow area
and placing topsoil over
waste relocation area

1310 - 1330

cont call with
Don & Ken - discuss
leadate, face, pumps

5/16/2001

1400

Dakes continues to place
and grade topsoil in
waste relocation area

Dakes also picking up
boulders on land fill surface

1425

as above

at

9:40 am

6.6' = 6' 7.2"

6' 7"

79" = 18744.06

6' 8"

80" = 19025.37

281.31 x .2 = 56.26

18,800.26

1435

flare: 1506 °F 295 cfs

1440

leadate level at 8.3
8' 3.6"

99" 24091.49

100" 24337.54

246105 24239.12

24239.12 - 18800.26 = 5438.86

5/16/2001

5438.86 / 5 hours:

1087.77 gal/hour

26106.53 gal/day

1450 Joe has conversation
with Kirk - states
transducer level in
tank may be 1 1/2 feet
off bottom - level
9790 not accurate

5/17/2001

0945

Joe Cavin arrives site
discuss transducer in
UST with Kirk -
transducer height in
tank and calibration
unknown

1005

at leachate loadout pond

5/16

584835

591155

591521

597558

5/17

598514

594531

leachate level in tank - 6.8'

flare running - 1475°F

299 cfs

81" 6.75'

19305.68

82" 6.83'

19584.92

5/17/2001

1015

Oates is placing
topsoil on the borrow
area

1030

Oates is doing final
grading at waste
reconsolidation area
and will be putting
topsoil on borrow
area

1045

Joe Corns leaves site

~~5/22/2001~~

5/31/2001

5/31/2001

0700 Joe Corns arrives site
at flare - flare operating

AW Oates on-site

0710 Joe Corns driving
around landfill

AW Oates is grading
south slope of landfill

Oates crew is also placing
top soil on borrow area

0715 Truck from T&R tree service
on site - driver says they
will clear a few trees
from the perimeter

0730 Kirk from RMT arrives
at trailer

5/30/2001

Daily Construction Reports

5/11/01 No earth work
Diemer Plumbing - Excavating
graded site at 2 Dept Road

5/14/01 Oakes placed & graded
topsoil at waste relocation
area

T & R Tree Removal visited
site
rain at 1130 shut down
operations

5/16/01 Oakes placed & graded
topsoil at waste relocation
area - Oakes set up
grade stakes around
flame and compressor
building

Priem repaired pumps

5/31/2001

Daily Construction Reports

5/17/01 Oakes finished placing
and grading topsoil
in waste relocation area
- began placing topsoil
in borrow area

5/18/01 Oakes placed topsoil
in borrow area

Rmt Placed bentonite around
PVC risers for additional
seal

Scott & Kirk cleaned blower
inlet screen

5/19/01 Oakes placed & graded
soil in borrow area
and laid out road
to borrow area at
north end of site

5/31/2001
Daily Construction Reports

5/21/01 Oakes placed & graded topsoil in borrow area until 830 am when wet site conditions halted work

Prizm reset pump at GW-22 to proper depth - also removed 1 pump to be replaced

5/22/01 Oakes graded area around blower building & flare to a subgrade elevation to allow for 6" C&G to be placed - geotextile fabric placed and gravel placed on fabric

Dover graded NE corner to allow for drainage

5/31/2001
Daily Construction Reports

5/24/01 Oakes excavated trench & installed 2 30" corrugated HDPE culverts at north access road to borrow area

RE Allen on site to start survey work - center lines of access roads, final grade shots, bldg/flare locations

wet site & rains prevented any regrading work

~~END of REPORTS~~

5/31/2001

Daily Construction Reports

5/29/01 Oakes worked to
regrade south slope
and continued grading
borrow area

5/30/01 Oakes graded south
slope and borrow area
set valve vaults on
the valves

Oakes placed 1" stone at
valve vaults

Repaired cracks in well vault

Diemer Plumbing begins
demo of house on Depot
Street

End of Reports

5/31/2001

~~815~~ 815
trachate loads

5/17	-	3
5/18	-	2
5/19	-	2
5/20	-	1
5/21	-	3
5/22	-	3
5/23	-	2
5/24	-	2
5/25	-	2
5/26	-	1
5/27	-	1
5/29	-	1

flame running at 1475°F
302 cfs

tank level at 7.2

86" 20689.6

87" 20962.34

5/31/2001

0820

Tap Tree clearing
cutting trees at
south middle area
of land H/V

0930

pre final inspection
meeting

1112

leachak level

11:20

7.6 \approx 22,000 gal

1200

meeting minutes to sent
out by RMT